

INVENTOR(S): compositions and molded articles
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AB A title agent, useful especially for coatings, comprises 5-80% **polyamine** compound obtained by **addition reaction** of HCHO an/or paraformaldehyde with a C4-15 **polyamine** containing 2-6 N atoms, e.g., diethylenetriamine, condensation of the adduct in the presence of PhOH and/or C4-12 alkylphenol, and modification of the product with bitumen. The hardener can also contain <80 parts of amino-terminated polypropylene oxide having mol. wt 200-2000, and <30 parts of a hardening accelerator.

IT **56-18-8DP**, Dipropylenetriamine, reaction products with formaldehyde, nonylphenol and **epoxy resin**
111-40-0DP, Diethylenetriamine, reaction products with formaldehyde, nonylphenol and **epoxy resin**
6864-37-5DP, 4,4'-Diamino-3,3'-dimethyldicyclohexylmethane, reaction products with paraformaldehyde, methylphenol and **epoxy resin**
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (hardeners; manufacture of **epoxy resin** hardener from formaldehyde, **polyamines** and nonylphenol)

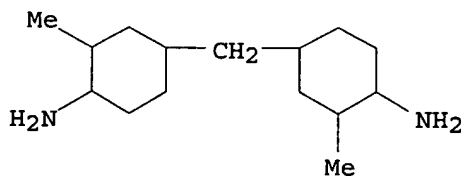
RN 56-18-8 HCAPLUS
 CN 1,3-Propanediamine, N-(3-aminopropyl)- (9CI) (CA INDEX NAME)



RN 111-40-0 HCAPLUS
 CN 1,2-Ethanediamine, N-(2-aminoethyl)- (9CI) (CA INDEX NAME)



RN 6864-37-5 HCAPLUS
 CN Cyclohexanamine, 4,4'-methylenebis[2-methyl- (9CI) (CA INDEX NAME)



L16 ANSWER 12 OF 23 HCAPLUS COPYRIGHT 2006 ACS on STN
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DOCUMENT NUMBER: 132:195234
TITLE: Hardening agent for epoxy resins,

Abstract